BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material Code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**12**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**36**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**60**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**48**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**119**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**18**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**14.107**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**78**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**4**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**9**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**5**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**5**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**5**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**12**	278916
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**16**	613050
16	Supply & Fixing of Anticlimbing DeviceGI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**61**	278911
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**3**	CDS materials for General works
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution	No	**3**	321438

	Transformer BEE-4star rated			
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**12**	281674+600095+607054, CDS 60
20	Supply & providing of GI wire 8SWG	kg	**40**	281008
21	Supply & providing of Guy wire 7/10SWG	kg	**50**	281110
22	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**10**	303202, CDS 60
23	Supply & providing of LT Protection kit	No	**4**	301107
24	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**1**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**90**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**90**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**36**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**3**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**3**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**3**	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**4**	302122
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**4**	821900
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	**1**	200005
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**1**	280119, CDS materials for General works
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**1**	321437
30	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**1**	
a	Aluminium lead wire 50 sqmm	Mtr	**40**	289031
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**4**	288531
c	P.G Clamps - Rabbit to 50 sq.mm	No	**4**	285508, CDS 63
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**2**	280800+280511, CDS 63
e	Spacers for DTC wiring	No	**8**	284503
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**0**	CDS 39
31	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**21**	200004
32	LT 4 Pin Cross Arm with clamps, bolts,	Set	**32**	280014, CDS

	nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI			materials for General works
33	1.1 kV Pin Insulator with GI Pin	No	**120**	283053, CDS 5
34	No. 8 Strain Insulator	No	**24**	283158
35	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**7**	CDS materials for General works

PART-II ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**12**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**36**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**60**
4	Supply & Providing of 45KN Composite polymer insulators.	No	**48**
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**119**
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**18**
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**14.107**
8	Supply & Providing of Spiral Earth Electrode	No	**78**
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**4**
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**9**
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**5**
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**5**
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**5**
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**12**

15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**16**
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**61**
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**3**
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**3**
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**12**
20	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**10**
21	Supply & providing of LT Protection kit	No	**4**
22	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**1**
	i) Al Lead Wire - 95 Sqmm	Mtr	**90**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**90**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**36**
	iv) Spacer for DTC Wiring	No	**3**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**3**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**3**
23	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**4**
24	Supply & Erection of 9M PSCC pole WL 300Kg	No	**1**
25	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**1**
26	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**1**
27	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**1**
a	Aluminium lead wire 50 sqmm	Mtr	**40**
b	Heavy duty long barrel copper lugs- 50 sqmm	No	**4**

c	P.G Clamps - Rabbit to 50 sq.mm	No	**4**
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**2**
e	Spacers for DTC wiring	No	**8**
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**0**
28	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**21**
29	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**32**
30	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**7**
31	Guy concreting with Boulders, Mud and Sand	No	**7**